



1600

RAW SEQUENCE LISTING

DATE: 01/16/2003

PATENT APPLICATION: US/09/636,243B

TIME: 13:49:20

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\01162003\I636243B.raw

ENTERED

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3 <110> APPLICANT: WANG, Bryan S.
4   PABO, Carl O.
6 <120> TITLE OF INVENTION: DIMERIZING PEPTIDES
8 <130> FILE REFERENCE: 8325-1004 / M4-US1
10 <140> CURRENT APPLICATION NUMBER: 09/636,243B
11 <141> CURRENT FILING DATE: 2000-08-10
13 <150> PRIOR APPLICATION NUMBER: 60/148,422
14 <151> PRIOR FILING DATE: 1999-08-11
16 <160> NUMBER OF SEQ ID NOS: 83
18 <170> SOFTWARE: PatentIn Ver. 2.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 25
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: exemplary
27   motif characterizing C2H2 class proteins
29 <220> FEATURE:
30 <221> NAME/KEY: SITE
31 <222> LOCATION: (2)..(5)
32 <223> OTHER INFORMATION: where Xaa is any amino acid
34 <220> FEATURE:
35 <221> NAME/KEY: SITE
36 <222> LOCATION: (4)..(5)
37 <223> OTHER INFORMATION: where Xaa may be present or absent
39 <220> FEATURE:
40 <221> NAME/KEY: SITE
41 <222> LOCATION: (7)..(18)
42 <223> OTHER INFORMATION: where Xaa is any amino acid
44 <220> FEATURE:
45 <221> NAME/KEY: SITE
46 <222> LOCATION: (20)..(24)
47 <223> OTHER INFORMATION: where Xaa is any amino acid
49 <220> FEATURE:
50 <221> NAME/KEY: SITE
51 <222> LOCATION: (23)..(24)
52 <223> OTHER INFORMATION: where Xaa may be present or absent
54 <400> SEQUENCE: 1
W--> 55 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
56   1             5             10             15
W--> 58 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
59   20             25
62 <210> SEQ ID NO: 2

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63 <211> LENGTH: 4
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: D-able subsite
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: (1)..(2)
73 <223> OTHER INFORMATION: n = a, t, g or c
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (4)
78 <223> OTHER INFORMATION: k = g or t
80 <400> SEQUENCE: 2
W--> 81 nngk 4
83 <210> SEQ ID NO: 3
84 <211> LENGTH: 9
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: zinc finger
90 protein bind sequence
92 <400> SEQUENCE: 3
93 ggcgtagac 9
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 9
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: zinc finger
102 protein bind sequence
104 <400> SEQUENCE: 4
105 ggcgcacgta 9
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 5
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
114 linker
116 <400> SEQUENCE: 5
117 Thr Gly Glu Lys Pro
118 1 5
121 <210> SEQ ID NO: 6
122 <211> LENGTH: 5
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: linker

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130 Gly Gly Gly Gly Ser
131   1           5
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 8
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
142 <400> SEQUENCE: 7
143 Gly Gly Arg Arg Gly Gly Gly Ser
144   1           5
147 <210> SEQ ID NO: 8
148 <211> LENGTH: 9
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
155 <400> SEQUENCE: 8
156 Leu Arg Gln Arg Asp Gly Glu Arg Pro
157   1           5
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 12
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
168 <400> SEQUENCE: 9
169 Leu Arg Gln Lys Asp Gly Gly Gly Ser Glu Arg Pro
170   1           5           10
173 <210> SEQ ID NO: 10
174 <211> LENGTH: 16
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
181 <400> SEQUENCE: 10
182 Leu Arg Gln Lys Asp Gly Gly Gly Ser Gly Gly Gly Ser Glu Arg Pro
183   1           5           10           15
186 <210> SEQ ID NO: 11
187 <211> LENGTH: 25
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: component
193   finger of zinc finger protein
195 <220> FEATURE:
196 <221> NAME/KEY: SITE
197 <222> LOCATION: (2)-(5)

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Input Set : A:\seqlist.txt

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198 <223> OTHER INFORMATION: where Xaa is any amino acid
200 <220> FEATURE:
201 <221> NAME/KEY: SITE
202 <222> LOCATION: (4)..(5)
203 <223> OTHER INFORMATION: where Xaa may be present or absent
205 <220> FEATURE:
206 <221> NAME/KEY: SITE
207 <222> LOCATION: (7)..(18)
208 <223> OTHER INFORMATION: where Xaa is any amino acid
210 <220> FEATURE:
211 <221> NAME/KEY: SITE
212 <222> LOCATION: (20)..(24)
213 <223> OTHER INFORMATION: where Xaa is any amino acid
215 <220> FEATURE:
216 <221> NAME/KEY: SITE
217 <222> LOCATION: (23)..(24)
218 <223> OTHER INFORMATION: where Xaa may be present or absent
220 <400> SEQUENCE: 11
W--> 221 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
222      1              5              10              15
W--> 224 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
225      20              25
228 <210> SEQ ID NO: 12
229 <211> LENGTH: 30
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
235      domain F1
237 <400> SEQUENCE: 12
238 Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser Asp
239      1              5              10              15
241 Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro
242      20              25              30
245 <210> SEQ ID NO: 13
246 <211> LENGTH: 28
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
252      domain F2
254 <400> SEQUENCE: 13
255 Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu
256      1              5              10              15
258 Thr Thr His Ile Arg Thr His Thr Gly Glu Lys Pro
259      20              25
262 <210> SEQ ID NO: 14
263 <211> LENGTH: 38
264 <212> TYPE: DNA

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265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
269     site
271 <400> SEQUENCE: 14
272 gggtgcagtg ggcgcgccca cagtacttga acgtaacg          38
274 <210> SEQ ID NO: 15
275 <211> LENGTH: 34
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
281     site
283 <400> SEQUENCE: 15
284 cgttacgttc aagtactgtg ggcgcgccca ctgc          34
286 <210> SEQ ID NO: 16
287 <211> LENGTH: 12
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
293     site
295 <400> SEQUENCE: 16
296 tgggcgtatg ct          12
298 <210> SEQ ID NO: 17
299 <211> LENGTH: 12
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
305     site
307 <400> SEQUENCE: 17
308 agcatacgcc ca          12
310 <210> SEQ ID NO: 18
311 <211> LENGTH: 57
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
317     site
319 <400> SEQUENCE: 18
320 ggaattcctg atcaagatct ggtcacgtcc ataggctagg catgtcaagg ctgtatg    57
322 <210> SEQ ID NO: 19
323 <211> LENGTH: 57
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
329     site

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/636,243B

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Input Set : A:\seqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24~~

Seq#:2; N Pos. ~~1,2~~

Seq#:11; Xaa Pos. ~~2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24~~